



(19)

Europäisches Patentamt
European Patent Office
Office européen des brevets



(11)

EP 1 282 049 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
22.03.2006 Bulletin 2006/12

(51) Int Cl:
G06F 17/30 (2006.01)

(43) Date of publication A2:
05.02.2003 Bulletin 2003/06

(21) Application number: 02250169.6

(22) Date of filing: 10.01.2002

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR
Designated Extension States:
AL LT LV MK RO SI

(30) Priority: 31.07.2001 KR 2001042490

(71) Applicant: SAMSUNG ELECTRONICS CO., LTD.
Suwon-City, Kyungki-do (KR)

(72) Inventor: Kim, Sung-joo
Seoul (KR)

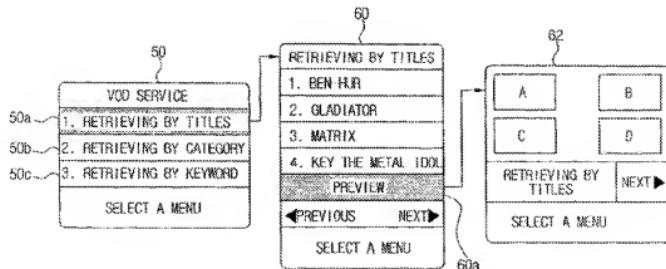
(74) Representative: Robinson, Ian Michael et al
Appleyard Lees,
15 Clare Road
Halifax HX1 2HY (GB)

(54) System and method for providing summary video information of video data

(57) Disclosed is a system for providing summary video information of video data including an editing tool server which makes a video title list for many video data, and edits the summary video information of each video data corresponding to the video title list and extracts the summary video information according to a requesting signal, a preview encoder which provides a retrieving menu for the video title list to an external device connected to receive the video data, and properly align the summary video information for at least one of the video data on a screen or reprocesses the summary video information to

be suitable for streaming thereof when a retrieving operation is requested through the retrieving menu, and a stream server which transmits the extracted video title list and the summary video information to the external device, when an output-requesting signal for the summary video information of the video data extracted from the external device is input. Therefore, a user can precisely retrieve the corresponding video data using the summary video information such as the image of the main scene and the synopsis of the video data which are provided according to selection of the retrieving menu.

FIG.4





EUROPEAN SEARCH REPORT

Application Number
EP 02 25 0169

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 00/05884 A [MATE - MEDIA ACCESS TECHNOLOGIES LTD; WILF, ITZHAK; KALMANSON, DAN; GR] 3 February 2000 (2000-02-03) * page 8, line 2 - page 13, line 26 * * page 16, line 10 - page 20, line 30; figure 11 * * page 24, lines 19-23 * -----	1-10	G06F17/30
X	WO 99/60790 A [UNITED VIDEO PROPERTIES, INC] 25 November 1999 (1999-11-25) * page 9, line 1 - page 11, line 28 * * page 18, lines 16-31 * -----	1-10	
X	WO 00/73914 A [GTE LABORATORIES INCORPORATED] 7 December 2000 (2000-12-07) * page 4, line 17 - page 9, line 5 * -----	1-10	
X	WITTENBURG K ET AL: "Browsing with dynamic key frame collages in Web-based entertainment video services" MULTIMEDIA COMPUTING AND SYSTEMS, 1999. IEEE INTERNATIONAL CONFERENCE ON FLORENCE, ITALY 7-11 JUNE 1999, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC. US, vol. 2, 7 June 1999 (1999-06-07), pages 913-918, XP010519513 ISBN: 0-7695-0253-9 * the whole document * -----	1-10	T006F H04N
X	LITTLE T D C ET AL: "A digital on-demand video service supporting content-based queries" PROCEEDINGS OF THE FIRST ACM INTERNATIONAL CONFERENCE ON MULTIMEDIA, 1993, pages 1-9, XP002361812 Anaheim, California, United States * the whole document * ----- -/-	1-10	
The present search report has been drawn up for all claims			
Name or name of the inventor		Date of completion of the search	Examiner
The Hague		9 January 2006	Díaz de Lezana, C
CATEGORY OF CITED DOCUMENTS			
<input checked="" type="checkbox"/> particularly relevant if taken alone <input checked="" type="checkbox"/> particularly relevant if combined with another document of the same category <input type="checkbox"/> a technical background document <input type="checkbox"/> non-analytical document <input type="checkbox"/> intermediate document			
T : theory or principle underlying the invention E : embodiment of the invention, but published on, or after the filing date D : document cited in the application L : document cited for other reasons B : member of the same patent family, corresponding document			



DOCUMENTS CONSIDERED TO BE RELEVANT				
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)	
A	<p>LITTLE T D C ET AL: "PROSPECTS FOR INTERACTIVE VIDEO-ON-DEMAND" IEEE MULTIMEDIA, IEEE SERVICE CENTER, NEW YORK, NY, US, vol. -101, no. 3, 21 September 1994 (1994-09-21), pages 14-24, XP0006476885 ISSN: 1070-985X * page 19, right-hand column, paragraph 5 - page 20, right-hand column, paragraph 1 *</p> <p>-----</p> <p>WU D ET AL: "Streaming video over the Internet: Approaches and Directions" IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, vol. 11, no. 3, March 2001 (2001-03), pages 282-300, XP001093478 * the whole document *</p> <p>-----</p>	1-10		
A		1-10	<table border="1"> <tr> <td>TECHNICAL FIELDS SEARCHED (IPC)</td> </tr> </table>	TECHNICAL FIELDS SEARCHED (IPC)
TECHNICAL FIELDS SEARCHED (IPC)				
The present search report has been drawn up for all claims				
7	Place of search	Date of conclusion of the search	Examiner	
	The Hague	9 January 2006	Díaz de Lezana, C	
CATEGORY OF CITED DOCUMENTS				
X	Particularly relevant if taken alone			
Y	Particularly relevant if combined with another document of the same category			
A	Analogous background			
O	Non-written disclosure			
P	Intermediate document			
	T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application U : document cited for other reasons & : member of the same patent family, corresponding document			

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 25 0169

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

09-01-2006

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 0005884	A	03-02-2000	AU EP	4796599 A 1114554 A1	14-02-2000 11-07-2001	

WO 9960790	A	25-11-1999	AT AU AU BR CA CN CN CN CN CN DE DE EP ES HK JP JP TW US	235783 T 761403 B2 4086299 A 9910612 A 2332343 A1 1516469 A 1309872 A 1585479 A 1592408 A 69906280 D1 69906280 T2 1080581 A1 2196808 T3 1036542 A1 2002516537 T 2004159367 A 432879 B 2004226042 A1	15-04-2003 05-06-2003 06-12-1999 30-01-2001 25-11-1999 28-07-2004 22-08-2001 23-02-2005 09-03-2005 30-04-2003 29-01-2004 07-03-2001 16-12-2003 06-02-2004 04-06-2002 03-06-2004 01-05-2001 11-11-2004	

WO 0073914	A	07-12-2000	AU	4855300 A	18-12-2000	

For more details about this annex - see Official Journal of the European Patent Office, No. 12/82